SEQUENCE LISTING

<110> Commonwealth Scientific and Industrial Research Organisation

Bayer BioScience NV

Waterhouse, Peter

Whyard, Steven

Van Rie, Jeroen

<120> Insect resistance using inhibition of gene expression

<130> BCS03-2008 WO1

<150> US 60/520,306

<151> 2003-11-17

<160> 12

<170> PatentIn version 3.0

<210> 1

<211> 27

<212> DNA

<213> artificial

<220>

<223> designed degenerate primer

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<223> n at 20 is c, g, a or t

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tccatrccyt cwccbacrta cc 22

<210> 5

<211> 279

<212> DNA

<213> Aphis gossypii

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aagatggaca agaatatgct caagttacca aaatgttggg aaatggacgt ctagaagcaa 120

tgtgttttga tggtgtaaga cgactttgtc acattcgagg aaaacttagg aaaaaggtgt 180

ggatcaatca agctgacata gtattgatag gcttacgtga atatcaagat acaaaagccg 240

atgtaatttt gaaatacacc ccagacgaag ccagaaacc 279

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<211> 279

<212> DNA

<213> Myzus persicae

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aagatggcca agaatatgct caagttacca aaatgttggg aaatggacgt ctagaagcta 120

tgtgctttga tggtgttaaa cgactttgcc acatacgagg aaaacttagg aaaaaggtat 180

ggattaatca agctgatata gtattaatag gtttacgtga ataccaagac acaaaagccg 240

atgtaatttt gaaatacaca ccagacgaag ccagaaacc 279

<210> 7

<211> 638

<212> DNA

<213> Aphis gossypii

<220>

<221> misc_feature

<223> n at 591, 592 and 637 is a, c, g or t

<400> 7
tcatggctgg actacgaggc catctacgac atctgccgcc ggaacctgga catcgagcgg 60

cccacgtaca cgaacctcaa ccggctgatc gggcagatcg tgtcgttccc atcacgggcg 120

tcgctgcggt tcgacggcgc gctgaacgtc gacctgaccg agttccagac gaacctggtg 180

ccgtacccgc gcattcactt cccgctggcc acgtacgcgc cggtcatatc ggccgagaag 240

gcgtaccacg agcagctgtc cgtggccgaa atcaacccaa cgcgtgcttc gaaccggcca 300

aaccagaatg ggtcaagatg cgacccgcgg cacggcaagt acatgggcct gctgcaatgc 360

tgtaaccgcg gcgacgtcgt gcccaaggac atgaacgcgg ccatcgccac catcaagacc 420

aagaggacca tcgtgtacgt cgactggtgc ccgaccgggt tcaaggtggg catctactac 480

cagccgccga ccgtggtgcc gggggcgatc tggccaaggt gcagcgggcg gtgtgcatgt 540

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tgtacgctga cacgcgcgtc cgtccactgg tacgtang 638

<210> 8

<211> 628

<212> DNA

<213> Myzus persicae

<220>

<221> misc_feature

<223> n at 3, 113, 128, 137, 509, 615, 617, and 627 is a, c, g, or t

<400> 8
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taatctcgat attgaacgtg cccacttaca ctaacttgaa tcgtcttatt ggncagattg 120

tgtcttcnat cacagcntct ctccgtttcg atggtgccct caatgttgac ttgactgaat 180

tccagaccaa tttggtccca taccccgta ttcatttccc attggtcact tatgcaccag 240

tcatctccgc tgaaaaggct taccatgaac aattgtccgt atcagaaatc actaacgctt 300

gttttgaacc agccaaccaa atggtgaaat gtgatccacg tcatggcaaa tacatggctt 360

gttgcatgtt gtaccgtggt gatgttgtac ccaaagacgt caacgctgcc attgcttcca 420

tcaagaccaa gagaacattc agtttgttga ctggtgtcca actggtttca aagttgggta 480

tcaactacca acccccaacc gtggtaccng gtgtgacttg gtctaaagta caacgtgctg 540

tctgcatgtt gtccaacact acagctattg ctgaagcttg ggtctaggtt tggtaccaca 600

agttcgtaac ttgcnantac gtccacna 628

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<212> DNA

<213> artificial

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<223> designed primer sequence

<400> 9
cccaagcttt gcctggtgtg tggcgaccgg 30

<210> 10

<211> 30

<212> DNA

<213> artificial

<220>

<223> designed primer sequence

<400> 10
cccaagctta tcctggaaat agacaagtcg 30

<210> 11

<211> 408

<212> DNA

<213> Myzus persicae

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agcatcacca agaacgccgt gtaccagtgc aagtacggca acaattgcga aatcgacatg 120

tacatgaggc ggaagtgcca ggagtgccgg ctgaaaaaat gcctgaccgt cggcatgagg 180

cctgaatgtg ttgtacctga agttcaatgc gcagtaaaaa gaaaggagaa aaaagctcaa 240

cgagaaaaag ataaaccaaa ttctactaca gacatttctc ctgaaataat aaaaatagaa 300

cctacagaga tgaagattga atgtggtgaa ccaatgataa tgggcacacc tatgccgact 360

gtaccttacg tgaaaccttt gagttctgaa caaaaagaac tgatccac 408

<210> 12

<211> 1173

<212> DNA

<213> Myzus persicae

<220>

<221> misc_feature

<223> n at 704 is c, g, a, or t

<400> 12

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gacttggatg atgcagaaaa aatattagag aaaattgata tattgcattt ggaattcgct 120

aagagagcag ctcctttcaa caactggttg gatggtacac gtgaagattt agtggacatg 180

ttcattgtac acactgttga ggaaatccaa ggattgattg atgcacatgg acaatttaag 240

gctactttgt ctgatgctga caaagagtac aactctatca ttggactggt caaagatgtt 300

gagtcaactg tacaaaaata ccaaatacct ggtggtcttc agaacccgta cactactttg 360

acttctagtg atttaagcaa aaaatggtct gaagtgaaac atttagtgcc ccaaagagac 420

acgaccctcc aagctgaact cagaaaacaa caaaacaatg agatgctacg tcgtcaattt 480

gcggagaagt caaatcaagt gggtccttgg attgagaggc aaatggacgc tgtcacggcc 540

atcggtatgg gattgcaggt tctctggaag atcaattgca ccaactgaaa caatttaggg 600

ctactttgtc tgatgctgac aagagtacaa ctctatcatt ggactggtca agatgttgag 660

tcaactgtac aaaaatacca aatacctggt ggtcttcaga accngtacac tactttgact 720

tctagtgatt taagcaaaaa atggtctgaa gtgaaacatt tagtgcccca aagagacacg 780

accctccaag ctgaactcag aaaacaacaa aacaatgaga tgctacgtcg tcaatttgcg 840

gagaagtcaa atcaagtggg tccttggatt gagaggcaaa tggacgctgt cacggccatc 900

ggtatgggat tgcaaggttc tctggaagat caattgcacc aactgaaaca atacgaacag 960

aatgtgtttg catacaagcc acatattgag gaattagaga aaatccacca agctgtacaa 1020

gagggtatga tcttcgaaaa caggtatact caatacacaa tggagacatt acgtgttgga 1080

tgggaacaac tattgacgtc cataaatcgc aatgtgaatg aagtagaaaa ccaaatattg 1140

accagagact ccaaaggcat cacccaggag cag 1173